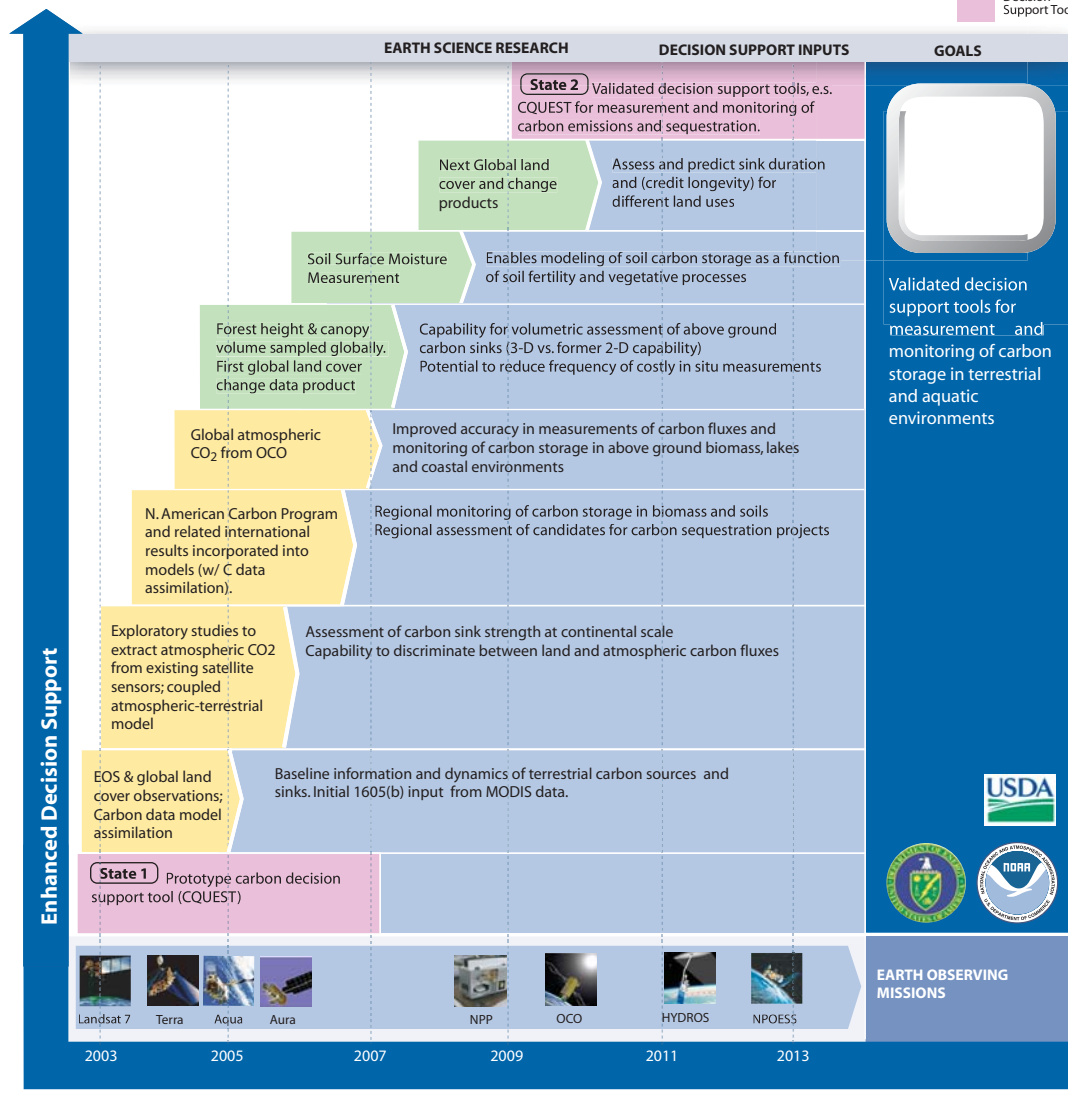


# RoadMap

## Carbon Management

Unfunded  
Funded  
Decision Support Tool



### Where we are now

The carbon management national application draws upon NASA Earth science observations and predictive models that use those observations to predict terrestrial processes related to carbon fluxes and storage of carbon. The observations and predictions are used in a prototype decision support tool, CQUEST, that assists resource managers decide whether or not to participate in a voluntary program for greenhouse sequestration (1605(b) of the '92 Energy Act) and helps operational agencies monitor compliance and impact of the program.

2004

### Where we plan to be

The carbon management application will extend the use of current NASA Earth science capabilities and integrate observations from experimental missions launched in the next 10 years as inputs to the decision support systems of operational agencies responsible for measurement, monitoring and validation of carbon emissions and sequestration. The impact of NASA observations and model predictions will be more accurate monitoring and prediction of carbon sources and sinks and decision support for policy and resource management, i.e., a more efficient carbon management regime.

2012

